

## 8. Thiago

**Program Name: Thiago.java**

**Input File: thiago.dat**

Thiago has lots of fun playing with encryption processes, and is experimenting with encoding his friends' names, first counting how many names are on the list, then adding up the ASCII values of the capital letters in each person's name, and finally multiplying each person's letter sum by the number of people on the list to find each person's unique number code for that group of friends. Help him with this interesting encryption process by writing a program to help him out.

For example, in the data sample below there are three names, the first of which is Magda. The values for the letters M, A, G, and D are 77, 65, 71 and 68, for a total sum of 346 for all five letters. The product of this value and 3 (number of friends in the list) is 1038, the value Thiago assigns as the code number for Magda among this group of friends.

**Input** - A list of names, each on one line, with no symbols or spaces contained in any of them.

**Output** - Each capitalized name, followed by a single space, and then followed by the calculated integer code for that person, as described above.

**Sample data:**

Magda  
Nicole  
Oleg

**Sample Output:**

MAGDA 1038  
NICOLE 1326  
OLEG 885